

SEQUENCE LISTING

<110> BROCKHAUS, Manfred
 DEMBIC, Zlatko
 GENTZ, Reiner
 LESSLAUER, Werner
 LOTSCHER, Hansruedi
 SCHLAEGER, Ernst-Jurgen

<120> HUMAN TNF RECEPTOR

<130> Human TNF Receptor

<140> 08/444,791

<141> 1995-05-19

<160> 2

<170> PatentIn Ver. 2.1

<210> 1

<211> 2111

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (187)..(1551)

<400> 1

```

gaattcgggg ggggttcaaga tcaactgggac caggccgtga tctctatgcc cgagtctcaa 60
ccctcaactg tcacccaag gcacttggga cgtcctggac agaccgagtc ccgggaagcc 120
ccagcactgc cgctgccaca ctgcctgag cccaaatggg ggagtggagag gccatagctg 180
tctggc atg ggc ctc tcc acc gtg cct gac ctg ctg ctg ccg ctg gtg      228
  Met Gly Leu Ser Thr Val Pro Asp Leu Leu Leu Pro Leu Val
      1              5              10

ctc ctg gag ctg ttg gtg gga ata tac ccc tca ggg gtt att gga ctg      276
Leu Leu Glu Leu Leu Val Gly Ile Tyr Pro Ser Gly Val Ile Gly Leu
  15              20              25              30

gtc cct cac cta ggg gac agg gag aag aga gat agt gtg tgt ccc caa      324
Val Pro His Leu Gly Asp Arg Glu Lys Arg Asp Ser Val Cys Pro Gln
      35              40              45

gga aaa tat atc cac cct caa aat aat tcg att tgc tgt acc aag tgc      372
Gly Lys Tyr Ile His Pro Gln Asn Asn Ser Ile Cys Cys Thr Lys Cys
      50              55              60

cac aaa gga acc tac ttg tac aat gac tgt cca ggc ccg ggg cag gat      420
His Lys Gly Thr Tyr Leu Tyr Asn Asp Cys Pro Gly Pro Gly Gln Asp
      65              70              75

acg gac tgc agg gag tgt gag agc ggc tcc ttc acc gct tca gaa aac      468

```



Thr	Asp	Cys	Arg	Glu	Cys	Glu	Ser	Gly	Ser	Phe	Thr	Ala	Ser	Glu	Asn	
80						85					90					
cac	ctc	aga	cac	tgc	ctc	agc	tgc	tcc	aaa	tgc	cga	aag	gaa	atg	ggc	516
His	Leu	Arg	His	Cys	Leu	Ser	Cys	Ser	Lys	Cys	Arg	Lys	Glu	Met	Gly	
95					100					105					110	
cag	gtg	gag	atc	tct	tct	tgc	aca	gtg	gac	cgg	gac	acc	gtg	tgt	ggc	564
Gln	Val	Glu	Ile	Ser	Ser	Cys	Thr	Val	Asp	Arg	Asp	Thr	Val	Cys	Gly	
				115					120					125		
tgc	agg	aag	aac	cag	tac	cgg	cat	tat	tgg	agt	gaa	aac	ctt	ttc	cag	612
Cys	Arg	Lys	Asn	Gln	Tyr	Arg	His	Tyr	Trp	Ser	Glu	Asn	Leu	Phe	Gln	
			130					135					140			
tgc	ttc	aat	tgc	agc	ctc	tgc	ctc	aat	ggg	acc	gtg	cac	ctc	tcc	tgc	660
Cys	Phe	Asn	Cys	Ser	Leu	Cys	Leu	Asn	Gly	Thr	Val	His	Leu	Ser	Cys	
		145					150					155				
cag	gag	aaa	cag	aac	acc	gtg	tgc	acc	tgc	cat	gca	ggc	ttc	ttt	cta	708
Gln	Glu	Lys	Gln	Asn	Thr	Val	Cys	Thr	Cys	His	Ala	Gly	Phe	Phe	Leu	
		160				165					170					
aga	gaa	aac	gag	tgt	gtc	tcc	tgt	agt	aac	tgt	aag	aaa	agc	ctg	gag	756
Arg	Glu	Asn	Glu	Cys	Val	Ser	Cys	Ser	Asn	Cys	Lys	Lys	Ser	Leu	Glu	
175					180				185						190	
tgc	acg	aag	ttg	tgc	cta	ccc	cag	att	gag	aat	gtt	aag	ggc	act	gag	804
Cys	Thr	Lys	Leu	Cys	Leu	Pro	Gln	Ile	Glu	Asn	Val	Lys	Gly	Thr	Glu	
				195					200					205		
gac	tca	ggc	acc	aca	gtg	ctg	ttg	ccc	ctg	gtc	att	ttc	ttt	ggc	ctt	852
Asp	Ser	Gly	Thr	Thr	Val	Leu	Leu	Pro	Leu	Val	Ile	Phe	Phe	Gly	Leu	
			210					215					220			
tgc	ctt	tta	tcc	ctc	ctc	ttc	att	ggc	tta	atg	tat	cgc	tac	caa	cgg	900
Cys	Leu	Leu	Ser	Leu	Leu	Phe	Ile	Gly	Leu	Met	Tyr	Arg	Tyr	Gln	Arg	
		225					230					235				
tgg	aag	tcc	aag	ctc	tac	tcc	att	gtt	tgt	ggg	aaa	tcg	aca	cct	gaa	948
Trp	Lys	Ser	Lys	Leu	Tyr	Ser	Ile	Val	Cys	Gly	Lys	Ser	Thr	Pro	Glu	
	240					245					250					
aaa	gag	ggg	gag	ctt	gaa	gga	act	act	act	aag	ccc	ctg	gcc	cca	aac	996
Lys	Glu	Gly	Glu	Leu	Glu	Gly	Thr	Thr	Thr	Lys	Pro	Leu	Ala	Pro	Asn	
255					260					265					270	
cca	agc	ttc	agt	ccc	act	cca	ggc	ttc	acc	ccc	acc	ctg	ggc	ttc	agt	1044
Pro	Ser	Phe	Ser	Pro	Thr	Pro	Gly	Phe	Thr	Pro	Thr	Leu	Gly	Phe	Ser	
				275					280					285		
ccc	gtg	ccc	agt	tcc	acc	ttc	acc	tcc	agc	tcc	acc	tat	acc	ccc	ggc	1092
Pro	Val	Pro	Ser	Ser	Thr	Phe	Thr	Ser	Ser	Ser	Thr	Tyr	Thr	Pro	Gly	
			290					295					300			
gac	tgt	ccc	aac	ttt	gcg	gct	ccc	cgc	aga	gag	gtg	gca	cca	ccc	tat	1140
Asp	Cys	Pro	Asn	Phe	Ala	Ala	Pro	Arg	Arg	Glu	Val	Ala	Pro	Pro	Tyr	

49

305	310	315	
cag ggg gct gac ccc atc ctt gcg aca gcc ctc gcc tcc gac ccc atc Gln Gly Ala Asp Pro Ile Leu Ala Thr Ala Leu Ala Ser Asp Pro Ile 320 325 330			1188
ccc aac ccc ctt cag aag tgg gag gac agc gcc cac aag cca cag agc Pro Asn Pro Leu Gln Lys Trp Glu Asp Ser Ala His Lys Pro Gln Ser 335 340 345 350			1236
cta gac act gat gac ccc gcg acg ctg tac gcc gtg gtg gag aac gtg Leu Asp Thr Asp Asp Pro Ala Thr Leu Tyr Ala Val Val Glu Asn Val 355 360 365			1284
ccc ccg ttg cgc tgg aag gaa ttc gtg cgg cgc cta ggg ctg agc gac Pro Pro Leu Arg Trp Lys Glu Phe Val Arg Arg Leu Gly Leu Ser Asp 370 375 380			1332
cac gag atc gat cgg ctg gag ctg cag aac ggg cgc tgc ctg cgc gag His Glu Ile Asp Arg Leu Glu Leu Gln Asn Gly Arg Cys Leu Arg Glu 385 390 395			1380
gcg caa tac agc atg ctg gcg acc tgg agg cgg cgc acg ccg cgg cgc Ala Gln Tyr Ser Met Leu Ala Thr Trp Arg Arg Arg Thr Pro Arg Arg 400 405 410			1428
gag gcc acg ctg gag ctg ctg gga cgc gtg ctc cgc gac atg gac ctg Glu Ala Thr Leu Glu Leu Leu Gly Arg Val Leu Arg Asp Met Asp Leu 415 420 425 430			1476
ctg ggc tgc ctg gag gac atc gag gag gcg ctt tgc ggc ccc gcc gcc Leu Gly Cys Leu Glu Asp Ile Glu Glu Ala Leu Cys Gly Pro Ala Ala 435 440 445			1524
ctc ccg ccc gcg ccc agt ctt ctc aga tgaggtgcg cccctgcggg Leu Pro Pro Ala Pro Ser Leu Leu Arg 450 455			1571
cagctctaag gaccgtcctg cgagatcgcc ttccaacccc acttttttct ggaaaggagg			1631
ggtcctgcag gggcaagcag gagctagcag ccgcctactt ggtgctaacc cctcgatgta			1691
catagctttt ctcagctgcc tgcgcgcgcgc cgacagtcag cgctgtgcgc gcggagagag			1751
gtgcgcctgt ggctcaagag cctgagtggg tggtttgca ggatgaggga cgctatgcct			1811
catgcccgtt ttgggtgtcc tcaccagcaa ggctgctcgg gggcccctgg ttcgtccctg			1871
agcctttttc acagtgcata agcagttttt tttgtttttg tttgtttttg tttgtttttt			1931
aaatcaatca tgttacacta atagaaactt ggcaactcctg tgccctctgc ctggacaagc			1991
acatagcaag ctgaactgtc ctaaggcagg ggcgagcacg gaacaatggg gccttcagct			2051
ggagctgtgg acttttgtac atacactaaa attctgaagt taaaaaaaa acccgaattc			2111

56

<210> 2
<211> 455
<212> PRT
<213> Homo sapiens

<400> 2

Met	Gly	Leu	Ser	Thr	Val	Pro	Asp	Leu	Leu	Leu	Pro	Leu	Val	Leu	Leu
1				5					10					15	
Glu	Leu	Leu	Val	Gly	Ile	Tyr	Pro	Ser	Gly	Val	Ile	Gly	Leu	Val	Pro
			20					25					30		
His	Leu	Gly	Asp	Arg	Glu	Lys	Arg	Asp	Ser	Val	Cys	Pro	Gln	Gly	Lys
		35					40					45			
Tyr	Ile	His	Pro	Gln	Asn	Asn	Ser	Ile	Cys	Cys	Thr	Lys	Cys	His	Lys
	50					55					60				
Gly	Thr	Tyr	Leu	Tyr	Asn	Asp	Cys	Pro	Gly	Pro	Gly	Gln	Asp	Thr	Asp
65					70					75					80
Cys	Arg	Glu	Cys	Glu	Ser	Gly	Ser	Phe	Thr	Ala	Ser	Glu	Asn	His	Leu
			85						90					95	
Arg	His	Cys	Leu	Ser	Cys	Ser	Lys	Cys	Arg	Lys	Glu	Met	Gly	Gln	Val
			100					105					110		
Glu	Ile	Ser	Ser	Cys	Thr	Val	Asp	Arg	Asp	Thr	Val	Cys	Gly	Cys	Arg
	115						120					125			
Lys	Asn	Gln	Tyr	Arg	His	Tyr	Trp	Ser	Glu	Asn	Leu	Phe	Gln	Cys	Phe
	130					135					140				
Asn	Cys	Ser	Leu	Cys	Leu	Asn	Gly	Thr	Val	His	Leu	Ser	Cys	Gln	Glu
145					150					155					160
Lys	Gln	Asn	Thr	Val	Cys	Thr	Cys	His	Ala	Gly	Phe	Phe	Leu	Arg	Glu
			165						170					175	
Asn	Glu	Cys	Val	Ser	Cys	Ser	Asn	Cys	Lys	Lys	Ser	Leu	Glu	Cys	Thr
			180					185					190		
Lys	Leu	Cys	Leu	Pro	Gln	Ile	Glu	Asn	Val	Lys	Gly	Thr	Glu	Asp	Ser
		195					200					205			
Gly	Thr	Thr	Val	Leu	Leu	Pro	Leu	Val	Ile	Phe	Phe	Gly	Leu	Cys	Leu
	210					215					220				
Leu	Ser	Leu	Leu	Phe	Ile	Gly	Leu	Met	Tyr	Arg	Tyr	Gln	Arg	Trp	Lys
225					230					235					240
Ser	Lys	Leu	Tyr	Ser	Ile	Val	Cys	Gly	Lys	Ser	Thr	Pro	Glu	Lys	Glu
			245						250					255	
Gly	Glu	Leu	Glu	Gly	Thr	Thr	Thr	Lys	Pro	Leu	Ala	Pro	Asn	Pro	Ser
		260						265					270		

Phe Ser Pro Thr Pro Gly Phe Thr Pro Thr Leu Gly Phe Ser Pro Val
 275 280 285
 Pro Ser Ser Thr Phe Thr Ser Ser Ser Thr Tyr Thr Pro Gly Asp Cys
 290 295 300
 Pro Asn Phe Ala Ala Pro Arg Arg Glu Val Ala Pro Pro Tyr Gln Gly
 305 310 315 320
 Ala Asp Pro Ile Leu Ala Thr Ala Leu Ala Ser Asp Pro Ile Pro Asn
 325 330 335
 Pro Leu Gln Lys Trp Glu Asp Ser Ala His Lys Pro Gln Ser Leu Asp
 340 345 350
 Thr Asp Asp Pro Ala Thr Leu Tyr Ala Val Val Glu Asn Val Pro Pro
 355 360 365
 Leu Arg Trp Lys Glu Phe Val Arg Arg Leu Gly Leu Ser Asp His Glu
 370 375 380
 Ile Asp Arg Leu Glu Leu Gln Asn Gly Arg Cys Leu Arg Glu Ala Gln
 385 390 395 400
 Tyr Ser Met Leu Ala Thr Trp Arg Arg Arg Thr Pro Arg Arg Glu Ala
 405 410 415
 Thr Leu Glu Leu Leu Gly Arg Val Leu Arg Asp Met Asp Leu Leu Gly
 420 425 430
 Cys Leu Glu Asp Ile Glu Glu Ala Leu Cys Gly Pro Ala Ala Leu Pro
 435 440 445
 Pro Ala Pro Ser Leu Leu Arg
 450 455

52